

FIG. 1

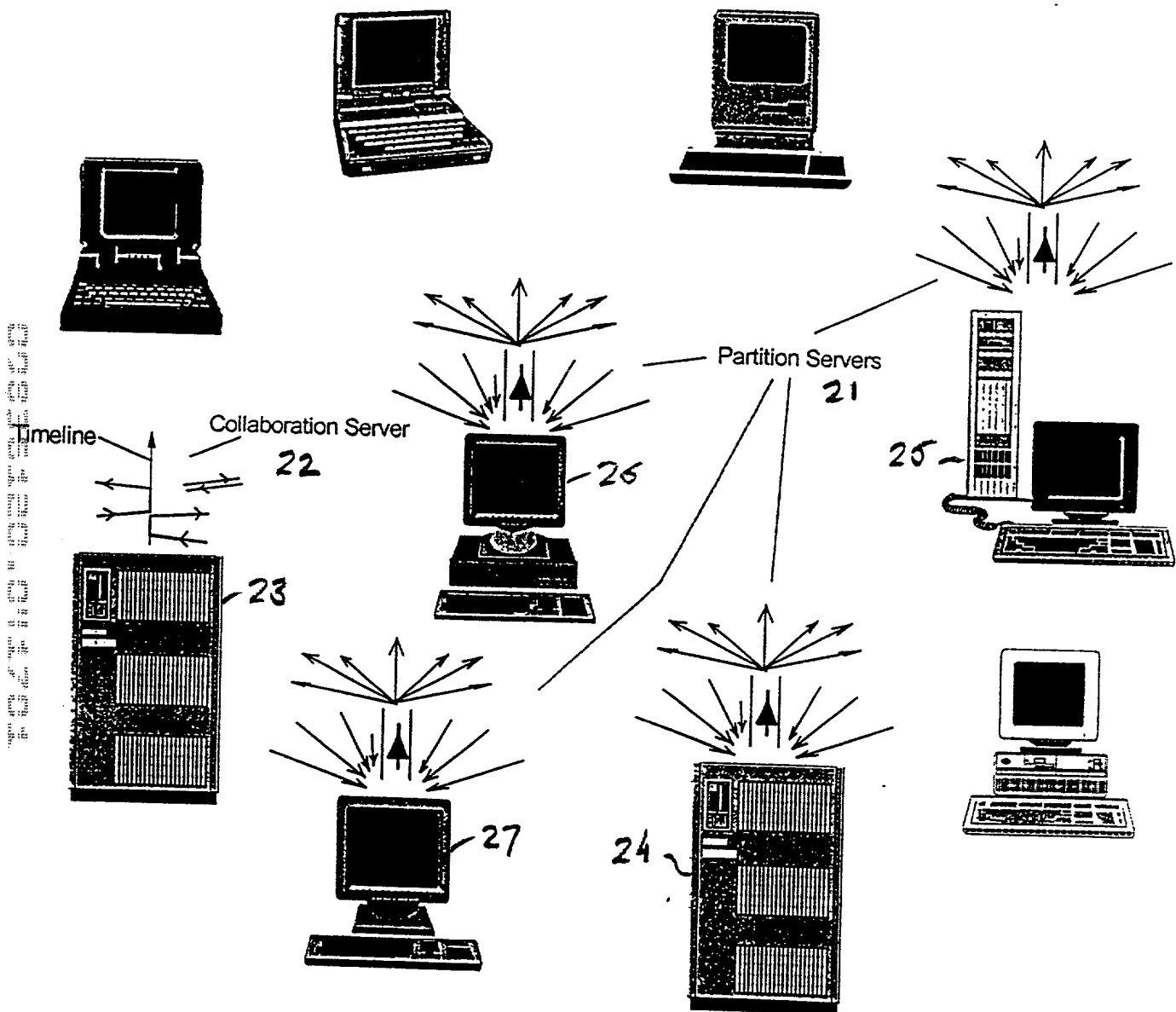


Figure 2

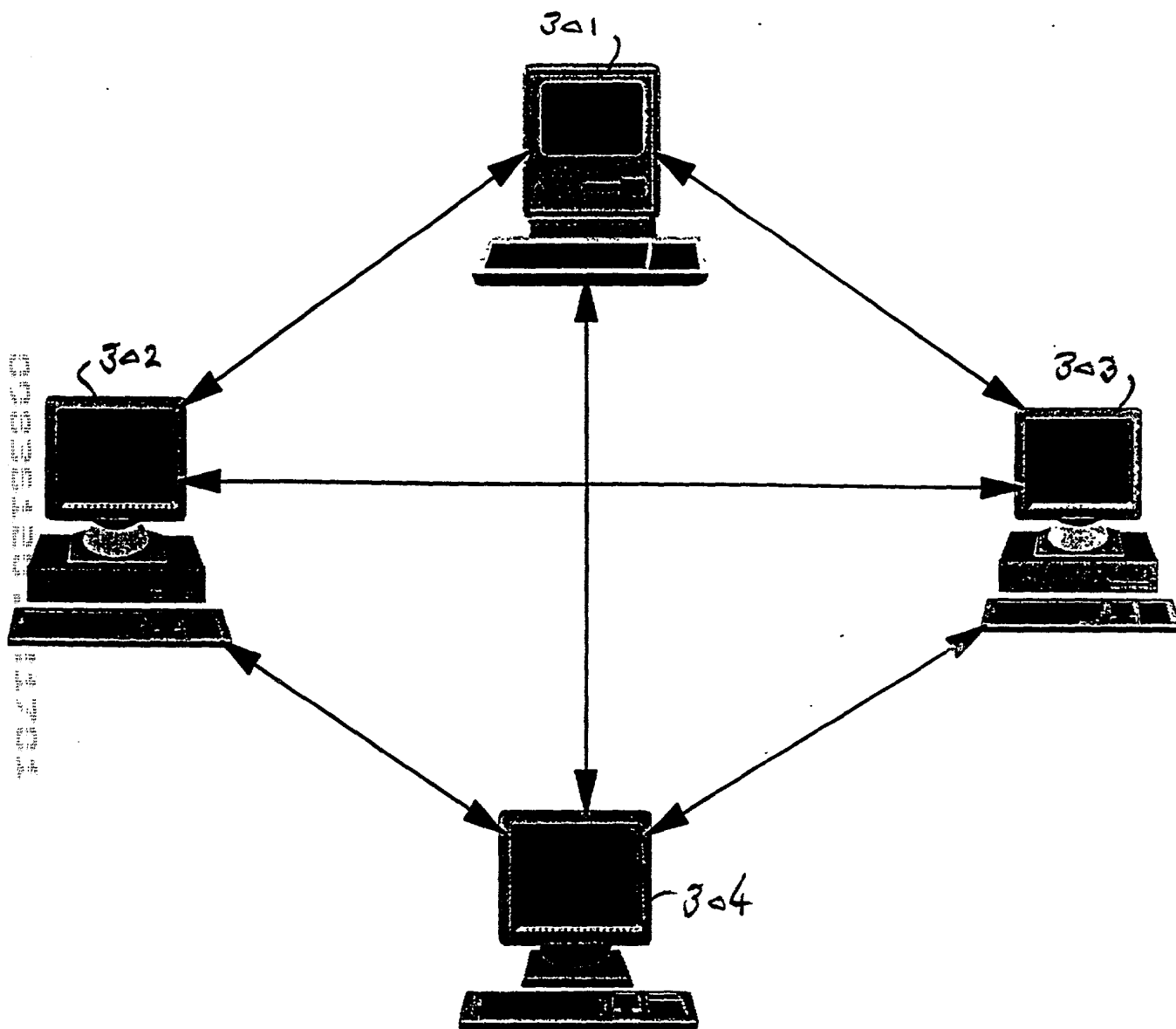


FIG. 3

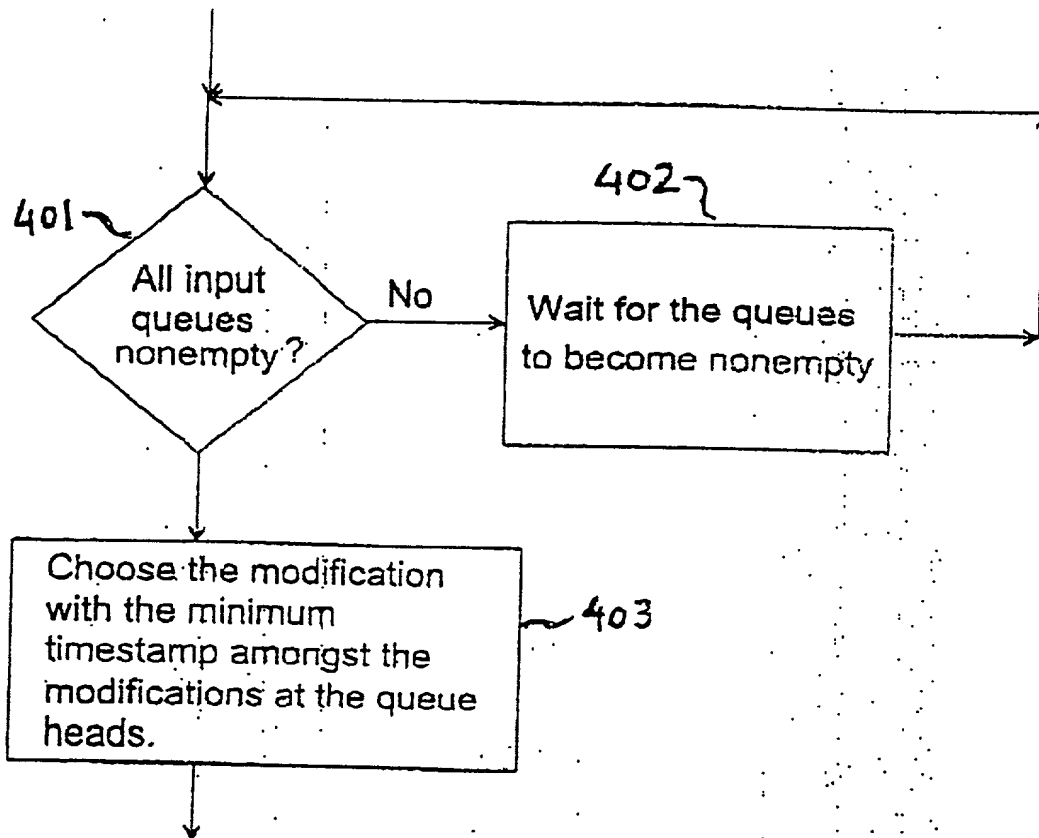
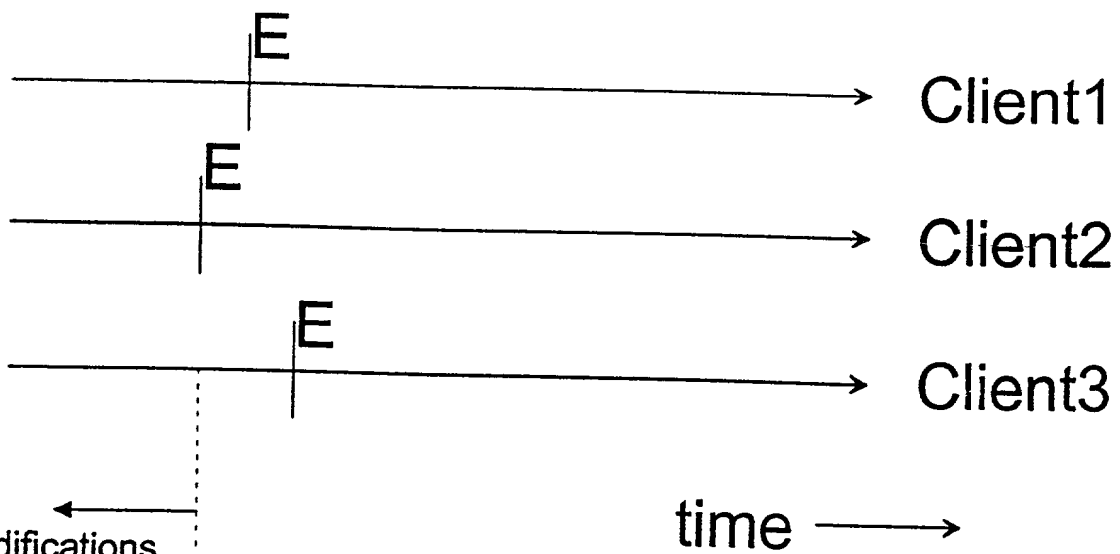


Figure 4



← All modifications
having timestamp
below this value
can be deleted

Figure 5

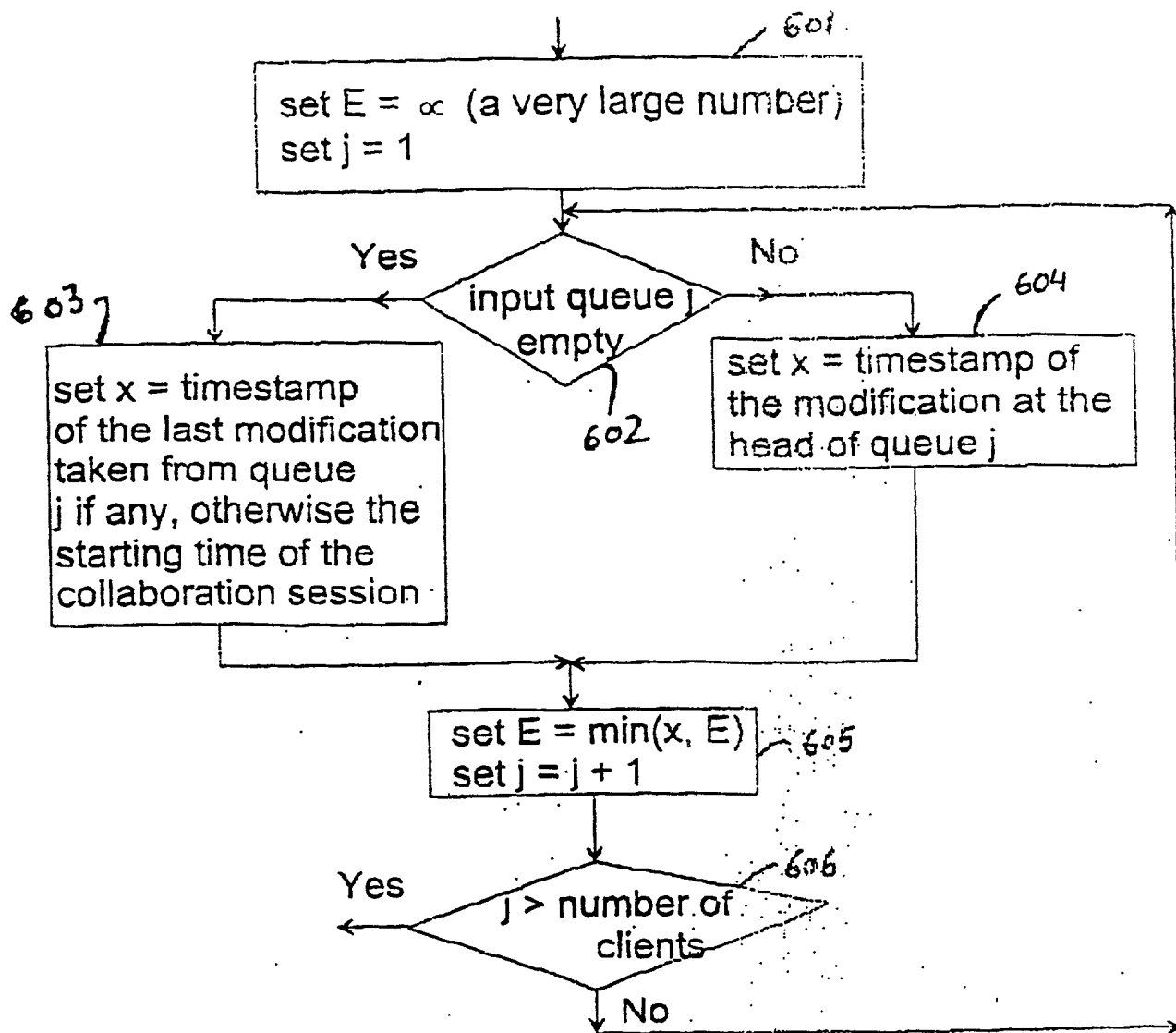


Figure 6

6. Zero out offsets $> \delta$
7. Compute avg clock offset
8. Increment clock by avg offset

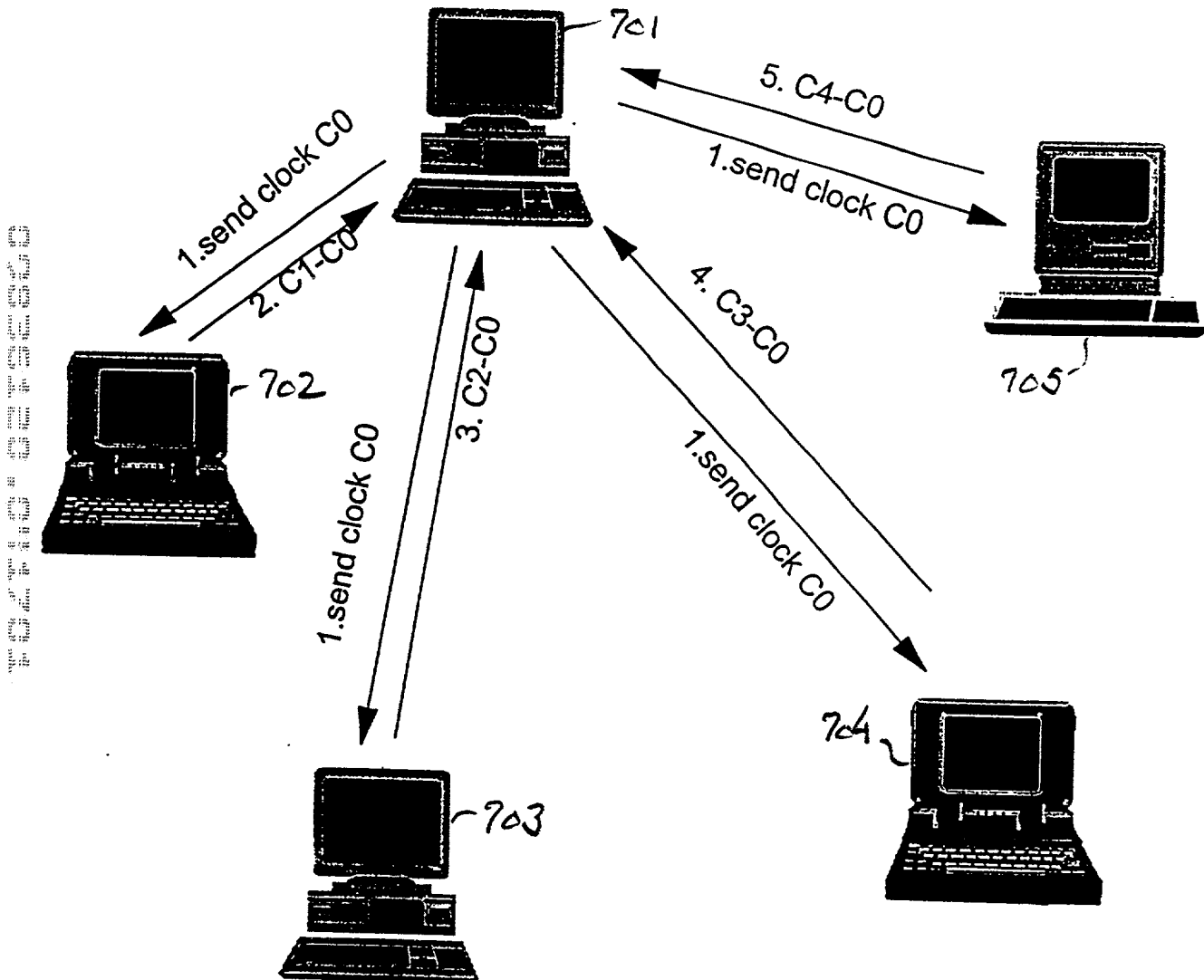


Figure 7

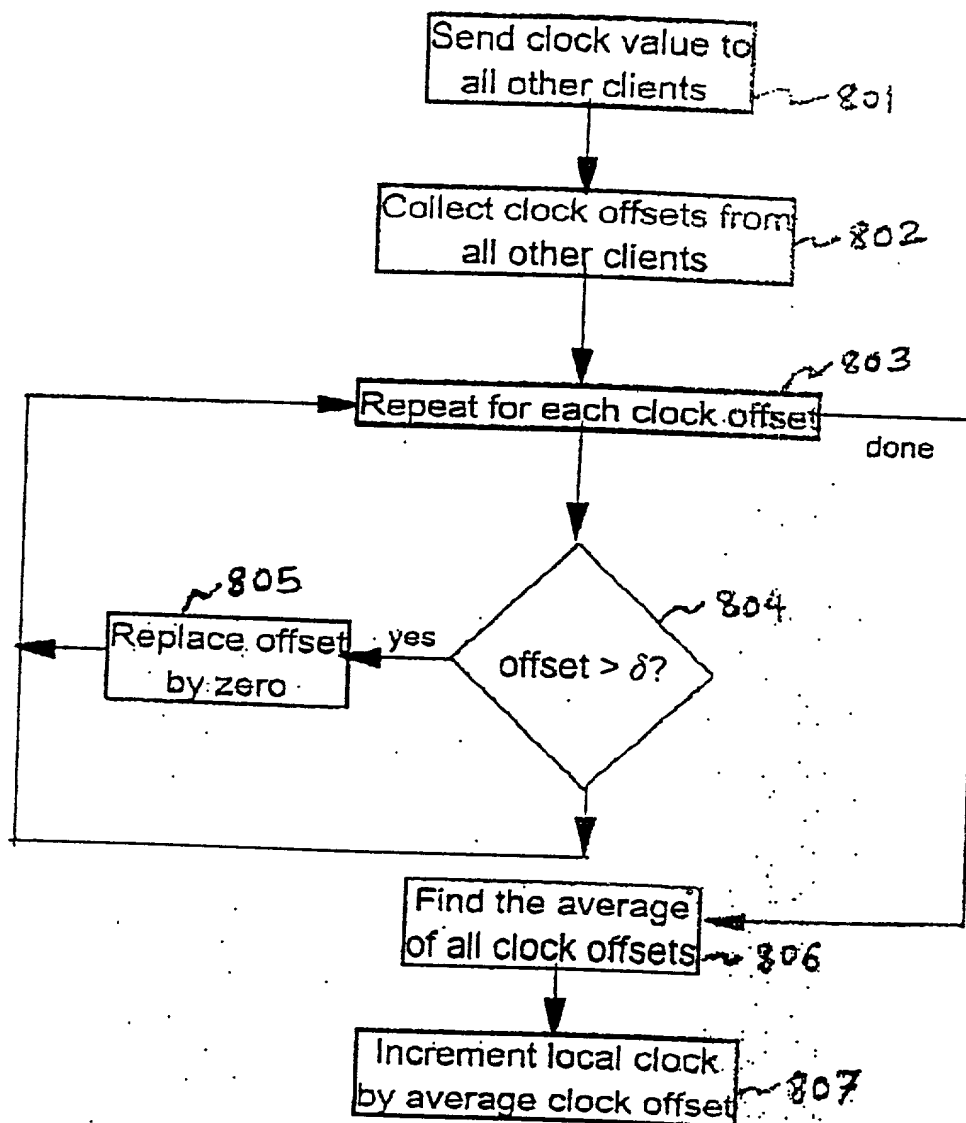


Figure 8

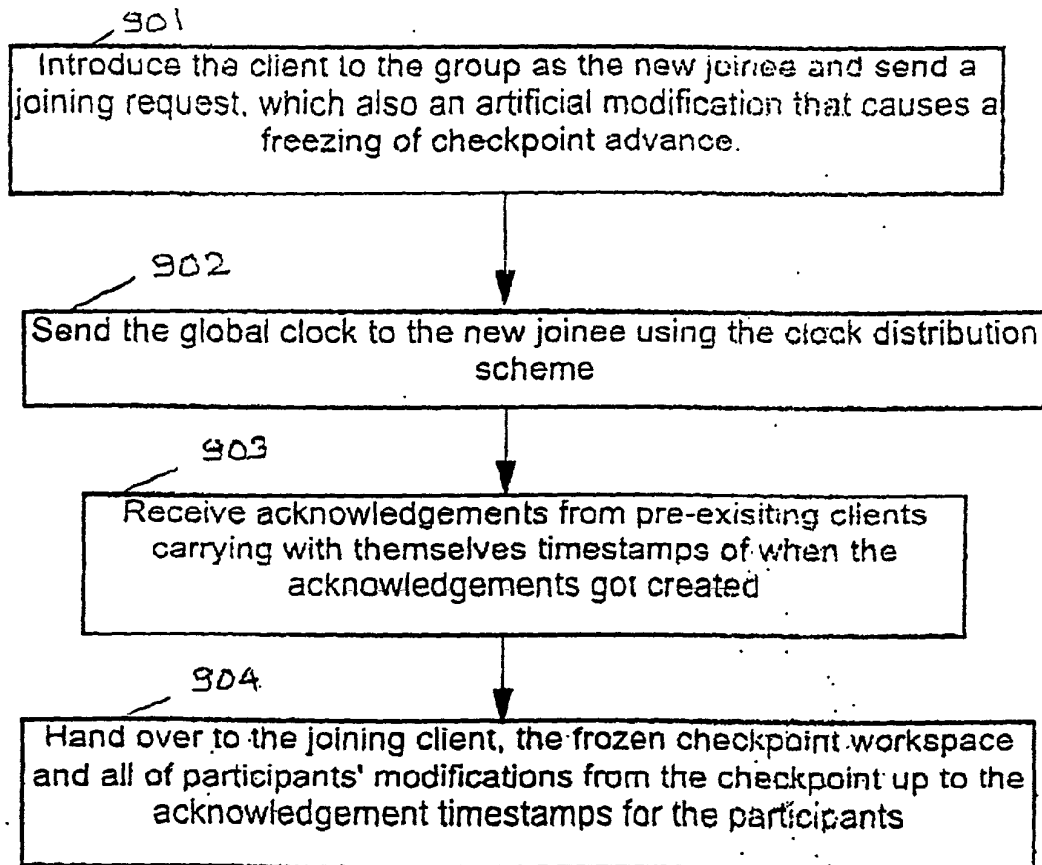


Figure 9

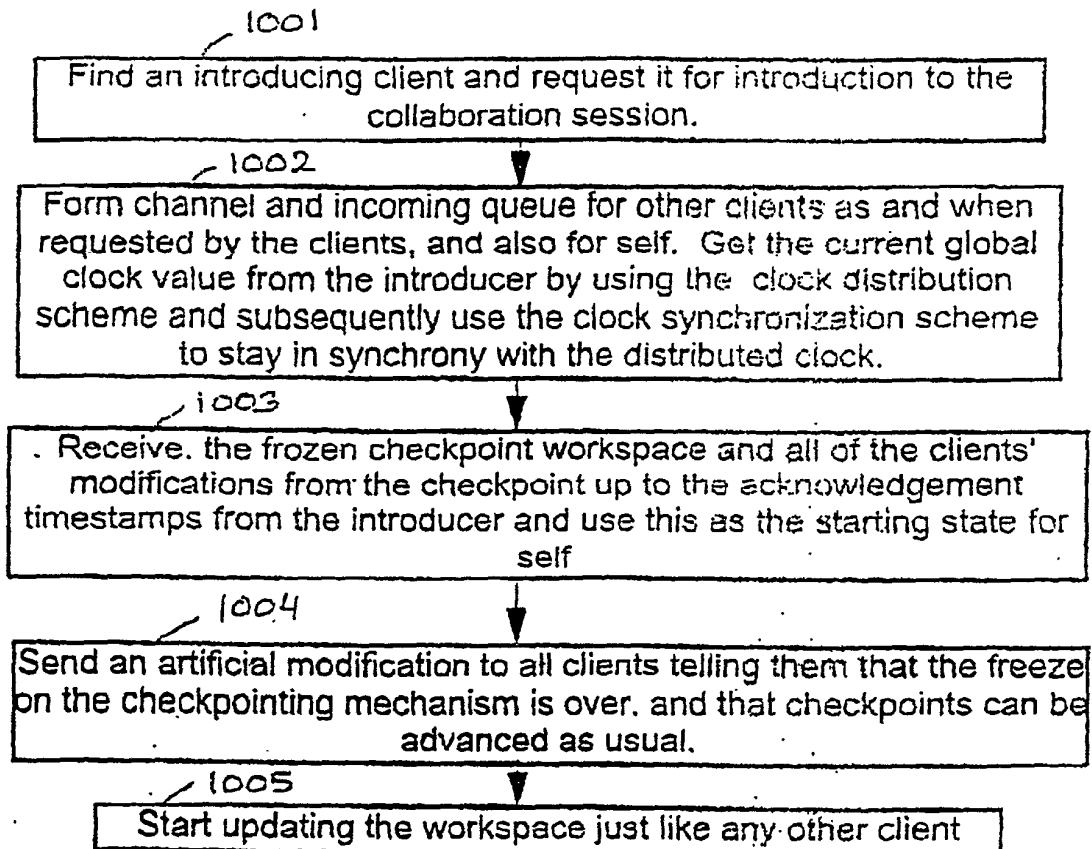
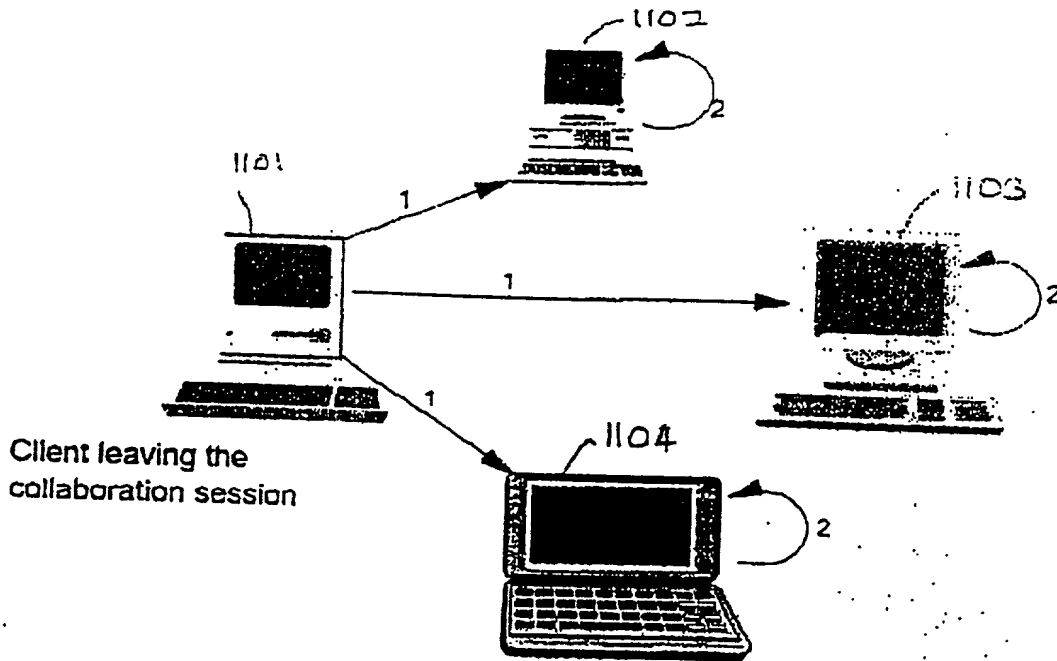


Figure 10



Client leaving the
collaboration session

1. Send a request, an artificial modification, for leaving the collaboration session.
2. When a checkpoint is formed whose E is greater than or equal to the timestamp of the artificial modification in 1, each client removes channels to and from the leaving client

Figure 11

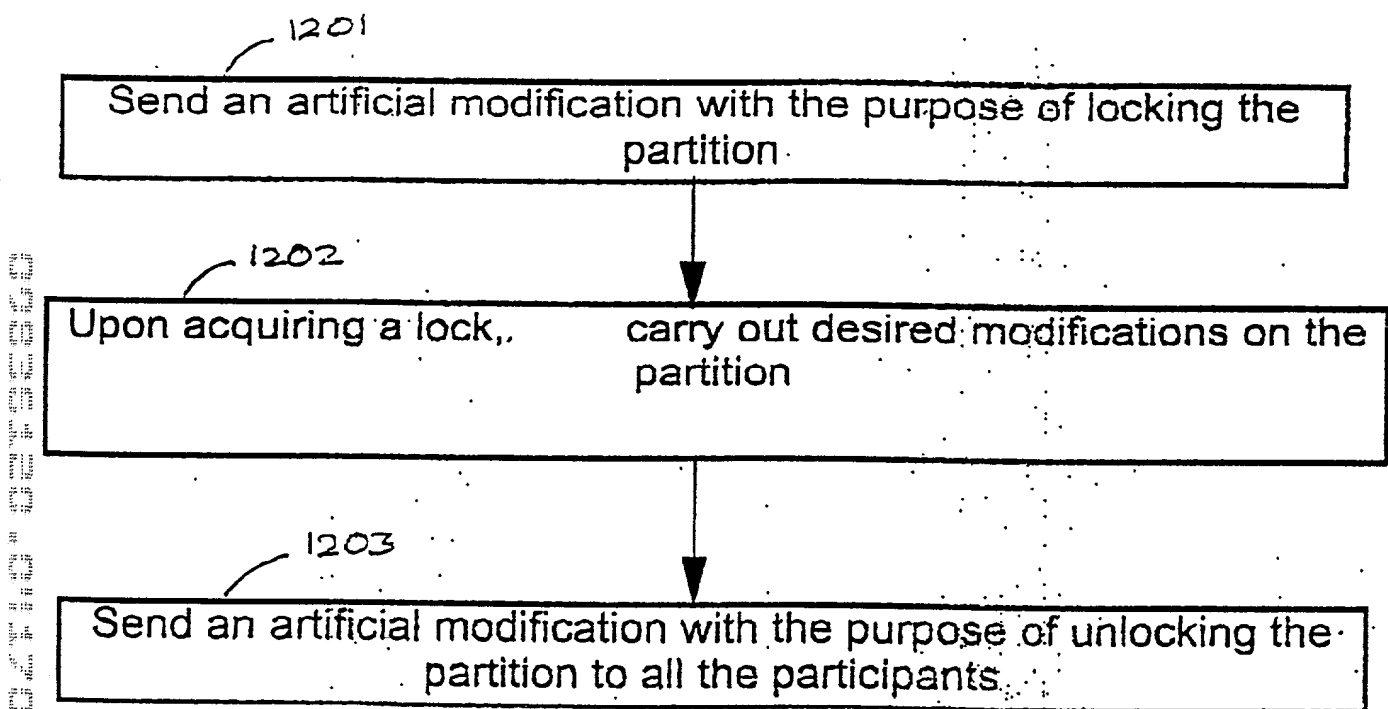


Figure 12

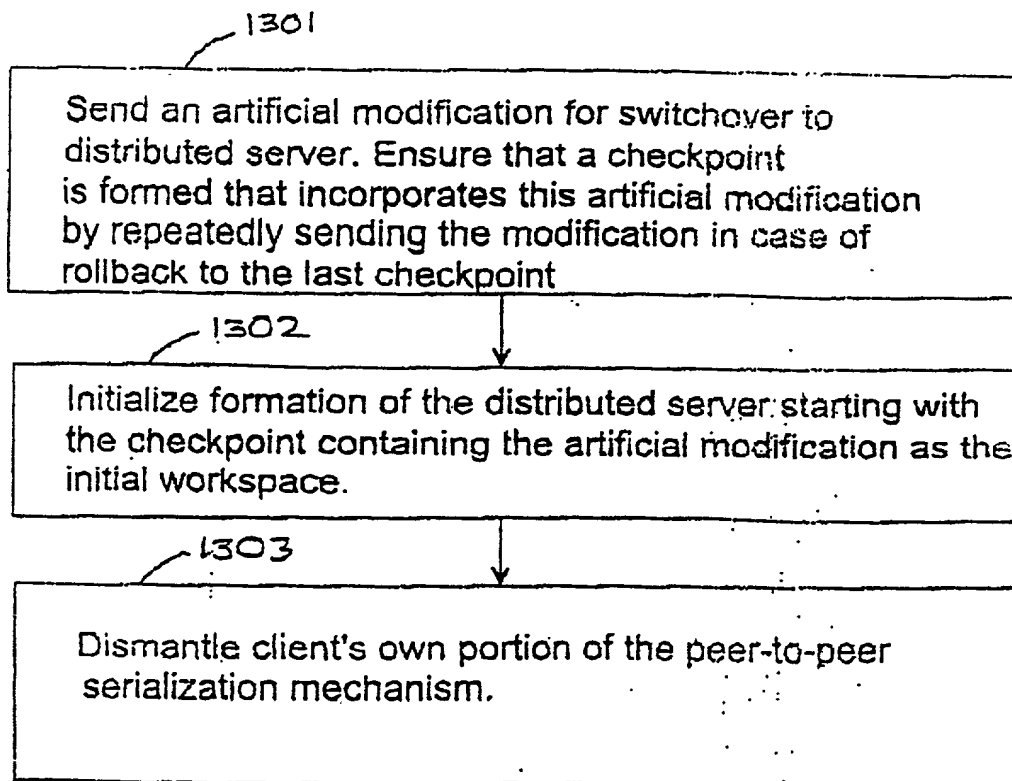


Figure 13

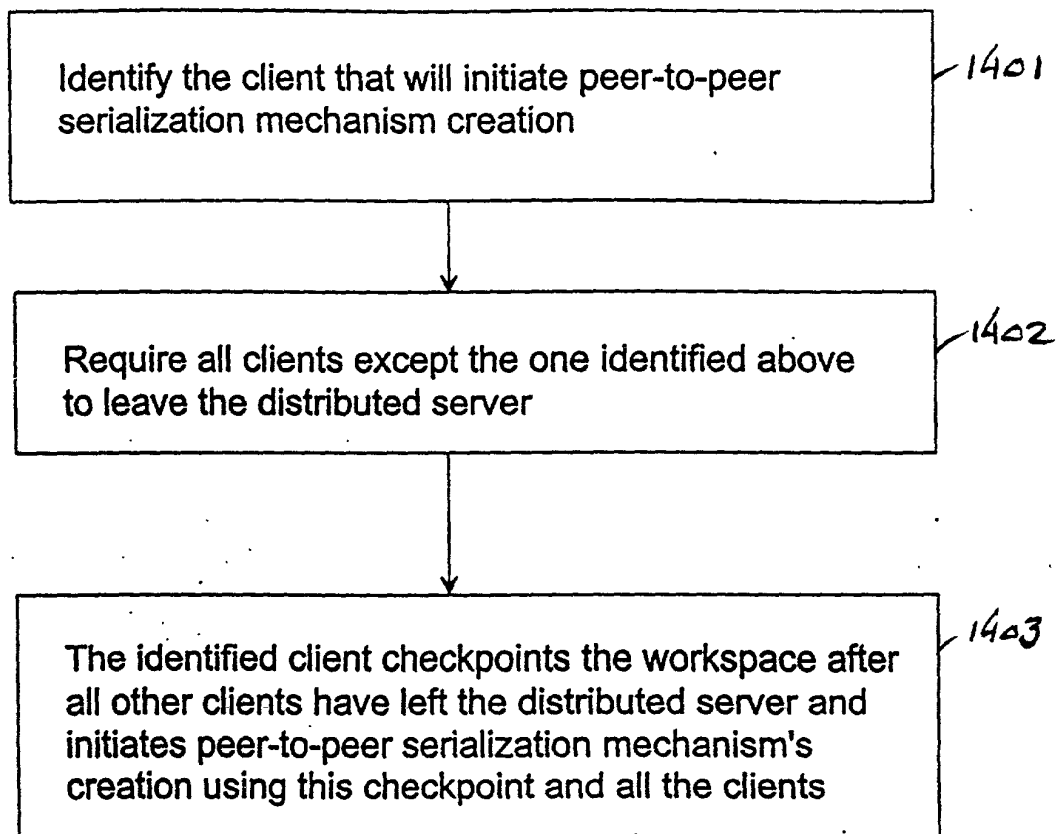


Figure 14